



Fig. 1

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Fig. 2A

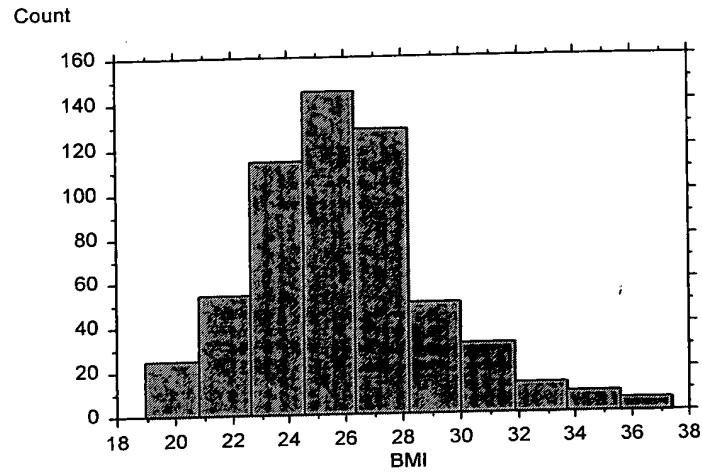
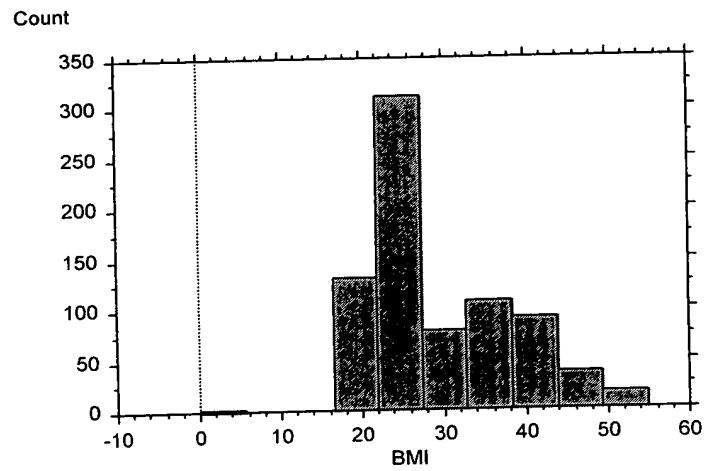


Fig. 2B



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Fig. 3A

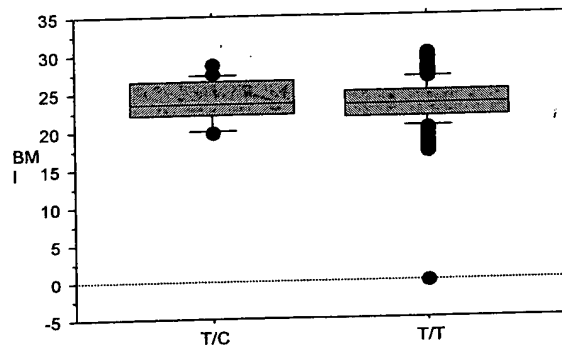
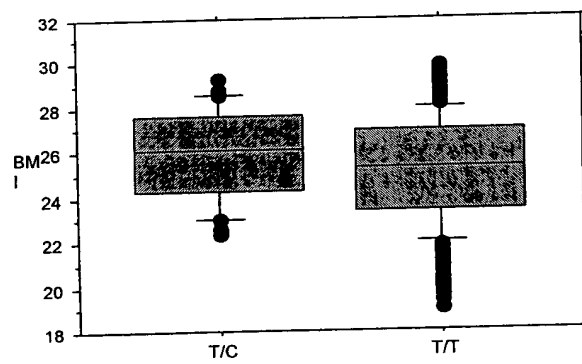


Fig. 3B



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Fig. 4A

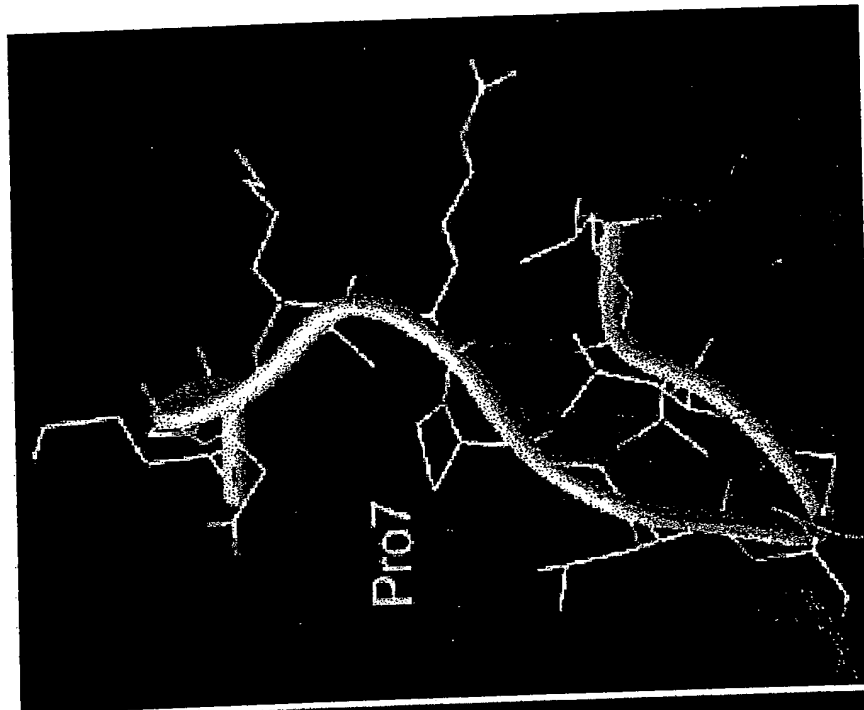
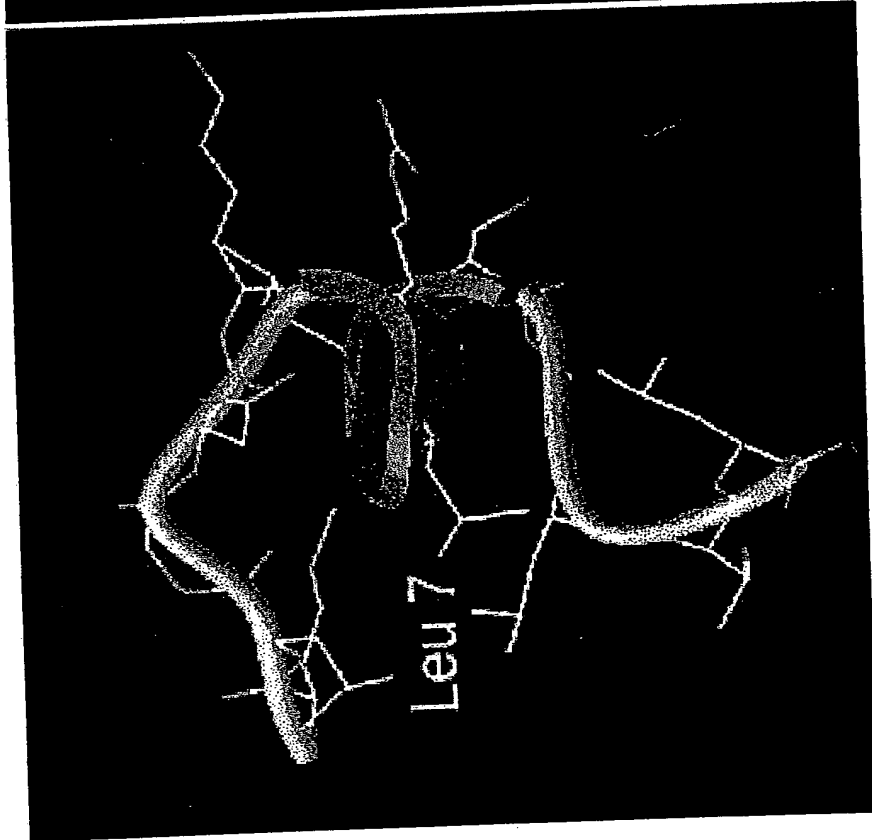
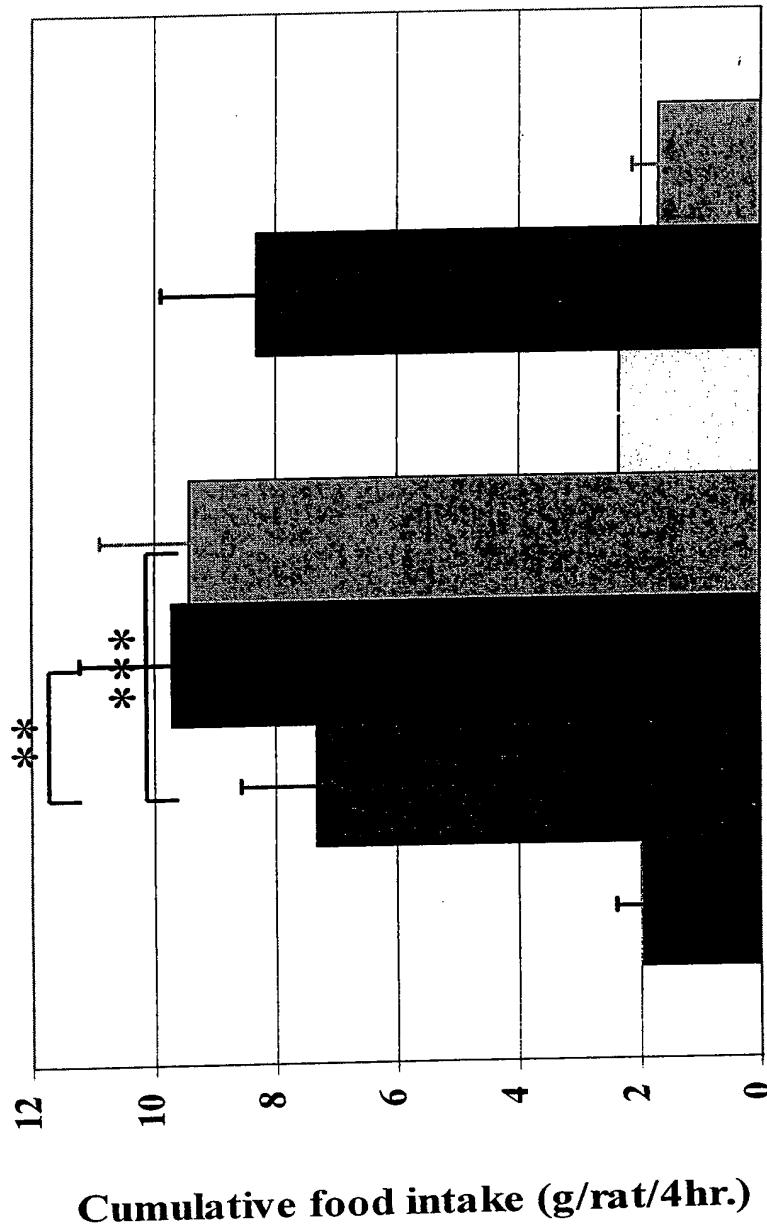


Fig. 4B



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Effect of NPY, NPY plus Mutated and Wild Signal Peptides on Food Intake in Rats

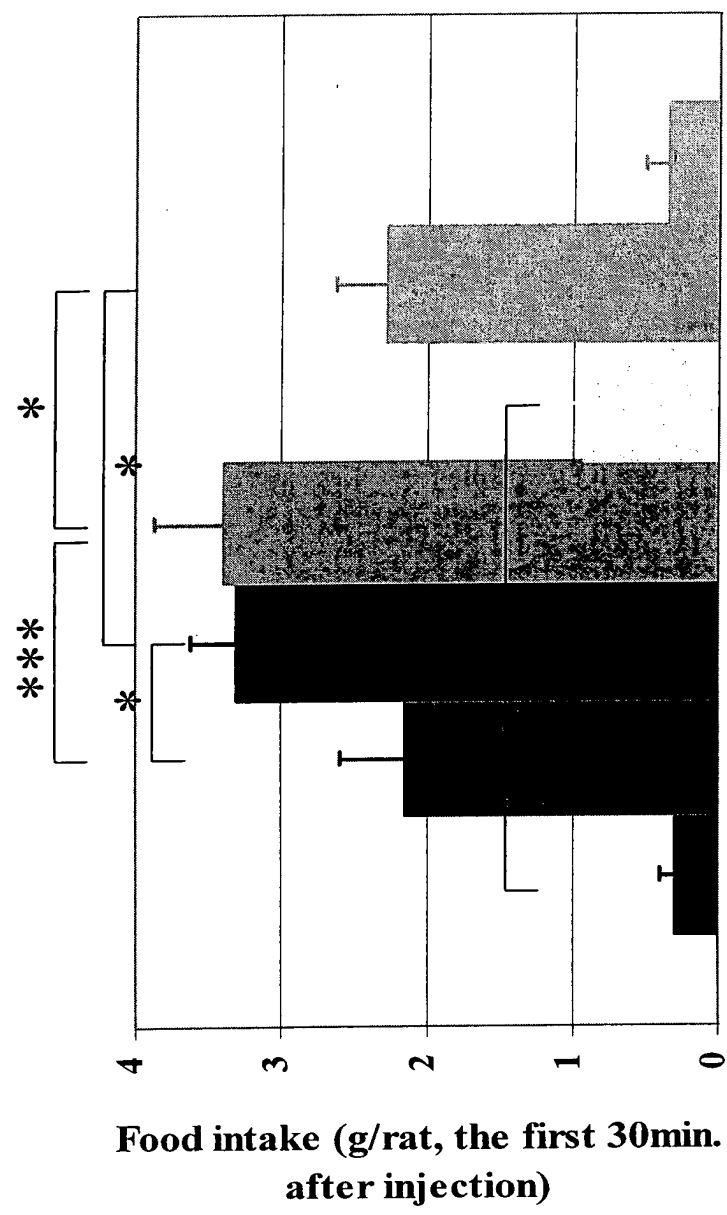


- 1, Saline, n=28
- 2, NPY, 9.0 ug, n=32
- 3, NPY, 9.0 ug + mSP, 2.5 ug, n=12
- 4, NPY, 9.0 ug + mSP, 7.5 ug, n=28
- 5, mSP, 7.5 ug, n=24
- 6, NPY, 9.0 ug + wSP, 7.5 ug, n=20
- 7, wSP, 7.5 ug, n=12

** : p < 0.01
*** : p < 0.001

Fig. 5A

Effect of NPY, NPY plus Wild an Mutated Signal Peptides
on Food Intake in Rats



- 1, Saline, n=28
- 2, NPY, 9.0 ug, n=32
- 3, NPY, 9.0 ug + mSP, 2.5 ug, n=12
- 4, NPY, 9.0 ug + mSP, 7.5 ug, n=28
- 5, mSP, 7.5 ug, n=24
- 6, NPY, 9.0 ug + wSP, 7.5 ug, n=20
- 7, wSP, 7.5 ug, n=12

Fig. 5B

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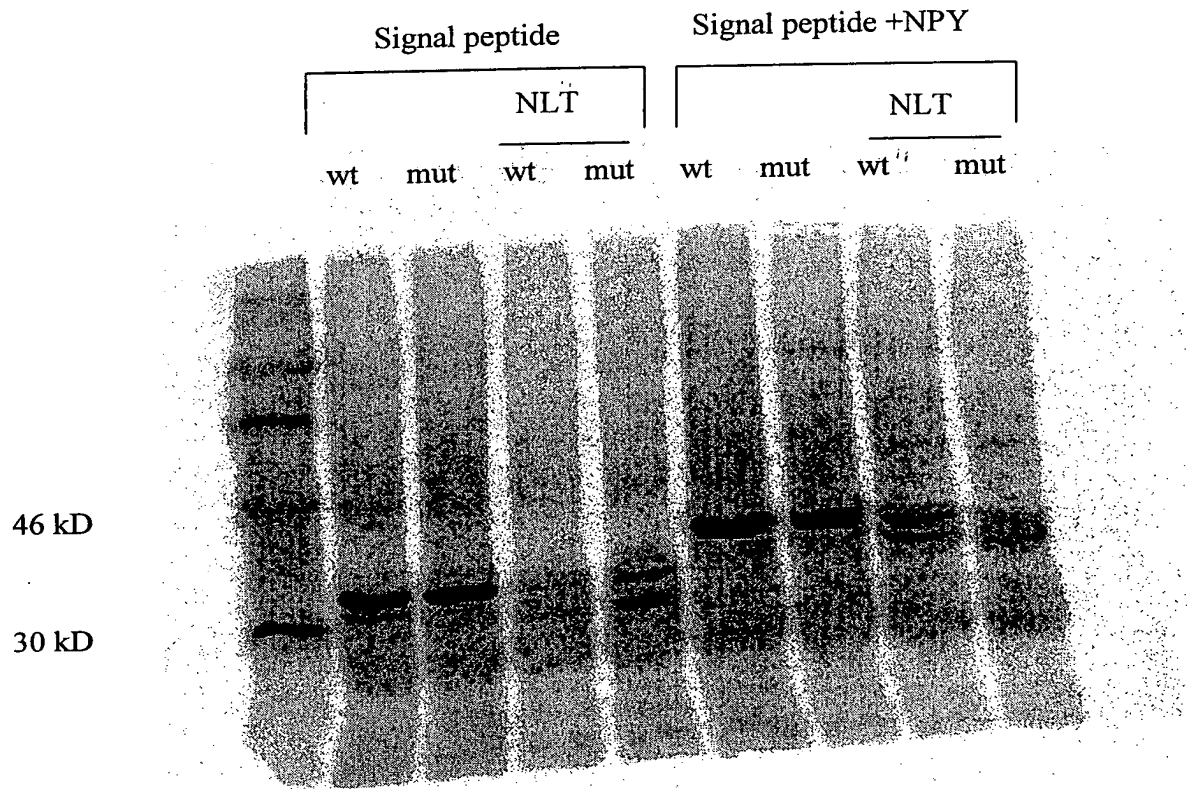


Fig. 6

Fig. 7

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+1128
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|
+1118
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|
+1193
CACTACATCAACCTCATCACCAGGCAGAGgtgggtgggaccgcgggaccgattccggga----[IVS]----
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+1268
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+5626
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+5702
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|
+8068
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|
+8140
GCCACTGTGCTGAATTCTGCAATGTTTTCTTTGTCATCATTGTATATATGTGTGTTTAAATAAAGTATCATGCAT
|
+8216
+8402
TCaaaagtgt*tcctcctcaatgaaaaatctattacaatagtgaggattattttcgttaaacttattattaacaa
|
+8392
|

Fig. 7 continued